

FIGURE 1

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Name	5'—Sequence—3'
DiGHEcoF	AGGCGAATTCTTCCCAACCATTCCCTAT
DiGHNotF	CTTCAAGAGGC GGCGCCGCTTCCCAACCATTCCC TTAT
DiGHHinR	TTCCAAGCTTCATCAGAAGCCACAGCTGCCCTCCA
Lep2TrcFOR	CAAAGCTAGCGGTGGCATGCAAGT
Lep2TrcREV	AAGCTTGAATT CCTATTACGTCGACTCTAG
LepLinkFOR	CAGCTGCTGTGGCTTCGGCGGCCGCAGGTGGCGGA
LepLinkREV	AATGCCTCGAGGAATT CGGAACCTCCG
Lep2FOR	GGGAAACTCGAGGTGCCCATCCAAAAAGTCCAAG AT
Lep2REV	GGGAAAGTCGACTCTCTAGAGCACCCAGGGCTGA GGTCC

FIGURE 2

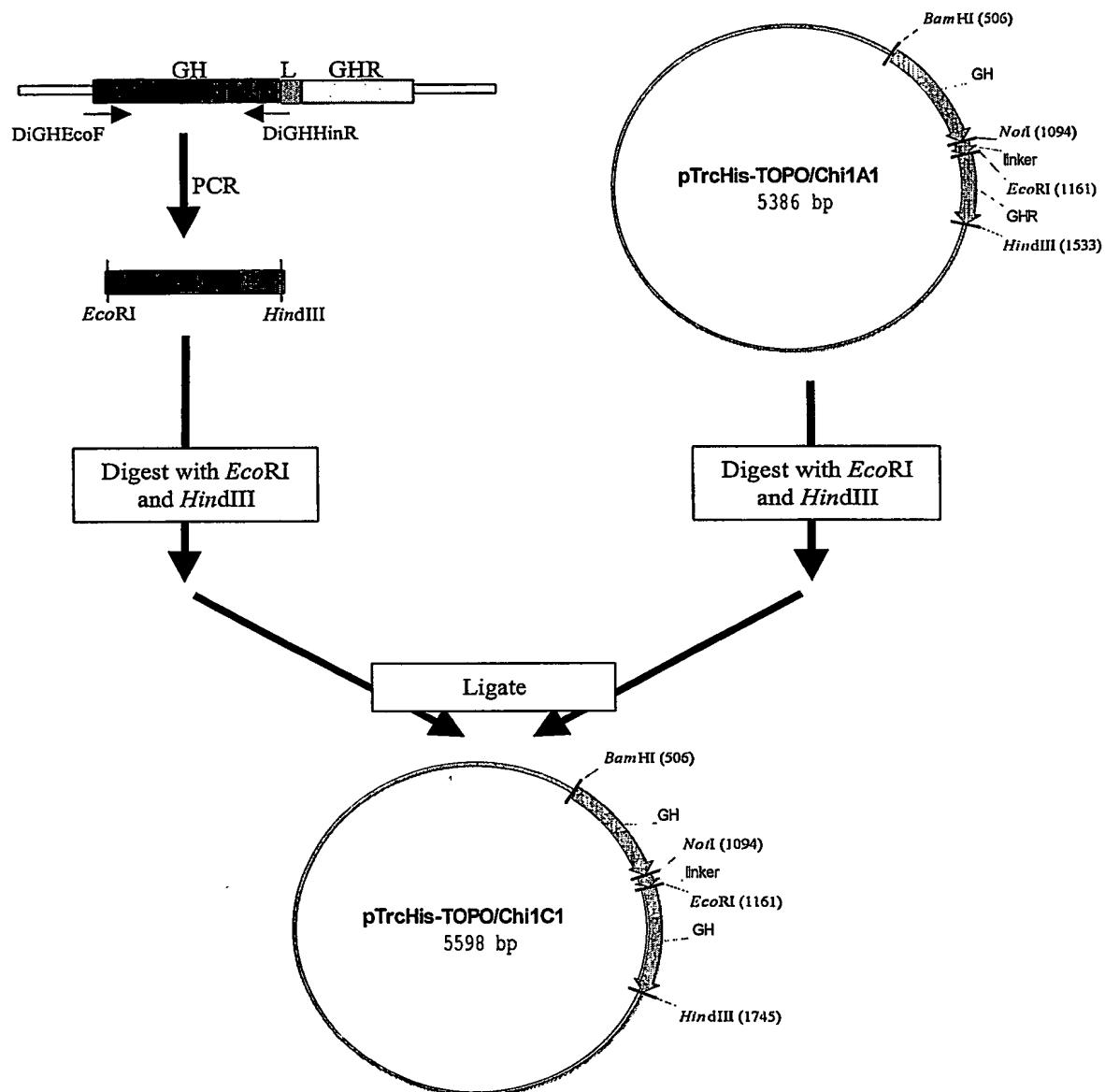


FIGURE 3

Growth hormone molecule 1

TTCCCAACCATTCCATTCCAGGCTTTGACAACGCTAGTCTCCGCGC
CCATCGTCTGCACCAGCTGGCCTTGACACCTACCAGGAGTTGAAGAAG
CCTATATCCAAAGGAACAGAAGTATTCAATTCTGCAGAACCCCCAGACC
TCCCTCTGTTCTCAGAGTCTATTCCGACACCCCTCAACAGGGAGGAAAC
ACAACAGAAATCCAACCTAGAGCTGCTCCGCATCTCCCTGCTGCTCATCC
AGTCGTGGCTGGAGCCGTGCAGTTCTCAGGAGTGTCTCGCCAACAGC
CTGGTGTACGGCGCCTCTGACAGCAACGTCTATGACCTCCTAAAGGACCT
AGAGGAAGGCATCCAAACGCTGATGGGGAGGCTGGAAGATGGCAGCCCCC
GGACTGGCAGATCTCAAGCAGACCTACAGCAAGTTCGACACACAAACTCA
CACAAACGATGACGCACTACTCAAGAACTACGGGCTGCTACTGCTTCAG
GAAGGACATGGACAAGGTCGAGACATTCTGCGATCGTCAGTGCCGCT
CTGTGGAGGGCAGCTGTGGCTTC

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TTAGTGCCGCGCGGAGTCCGGCATTGGCGGCGGTGGCGGC

Growth hormone molecule 2

TTCCCAACCATTCCATTCCAGGCTTTGACAACGCTAGTCTCCGCGC
CCATCGTCTGCACCAGCTGGCCTTGACACCTACCAGGAGTTGAAGAAG
CCTATATCCAAAGGAACAGAAGTATTCAATTCTGCAGAACCCCCAGACC
TCCCTCTGTTCTCAGAGTCTATTCCGACACCCCTCAACAGGGAGGAAAC
ACAACAGAAATCCAACCTAGAGCTGCTCCGCATCTCCCTGCTGCTCATCC
AGTCGTGGCTGGAGCCGTGCAGTTCTCAGGAGTGTCTCGCCAACAGC
CTGGTGTACGGCGCCTCTGACAGCAACGTCTATGACCTCCTAAAGGACCT
AGAGGAAGGCATCCAAACGCTGATGGGGAGGCTGGAAGATGGCAGCCCCC
GGACTGGCAGATCTCAAGCAGACCTACAGCAAGTTCGACACACAAACTCA
CACAAACGATGACGCACTACTCAAGAACTACGGGCTGCTACTGCTTCAG
GAAGGACATGGACAAGGTCGAGACATTCTGCGATCGTCAGTGCCGCT
CTGTGGAGGGCAGCTGTGGCTTC

FIGURE 4

Growth hormone molecule 1

FPTIPLSRLFDNASLRAHRLHQLAFDTYQEFEEAYIPKEQKYSFLQNPQT
SLCFSESIPTPSNREETQQKSNLELLRISLLLQSWLEPVQFLRSVFANS
LVYGASDSNVYDLLKDLEEGIQTLMGRLEDGSRTGQIFKQTYSKFDTNS
HNDDALLKNYGLLYCFRKDMDKVETFLRIVQCRSVEGSCGF

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LVPRGS PGIGGGGG

Growth hormone molecule 1

FPTIPLSRLFDNASLRAHRLHQLAFDTYQEFEEAYIPKEQKYSFLQNPQT
SLCFSESIPTPSNREETQQKSNLELLRISLLLQSWLEPVQFLRSVFANS
LVYGASDSNVYDLLKDLEEGIQTLMGRLEDGSRTGQIFKQTYSKFDTNS
HNDDALLKNYGLLYCFRKDMDKVETFLRIVQCRSVEGSCGF

FIGURE 5

Leptin molecule 1

GTGCCATCCAAAAAGTCCAAGATGACACCAAAACCTCATCAAGACAAT
TGTCAACCAGGATCAATGACATTCACACACGCAGTCAGTCTCCTCCAAAC
AGAAAAGTCACCGGTTGGACTTCATTCTGGCTCCACCCCATCCTGACC
TTATCCAAGATGGACCAGACACTGGCAGTCTACCAACAGATCCTCACCAG
TATGCCTTCCAGAAACGTGATCCAATATCCAACGACCTGGAGAACCTCC
GGGATCTTCTTCACGTGCTGGCCTCTCTAAAGAGCTGCCACTTGCCTGG
GCCAGTGGCCTGGAGACCTTGGACAGCCTGGGGGTGTCCTGGAAGCTTC
AGGCTACTCCACAGAGGTGGTGGCCTGAGCAGGCTGCAGGGTCTCTGC
AGGACATGCTGTGGCAGCTGGACCTCAGCCCTGGGTGC

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TTAGTGCCGCGCGGCAGTCCGGCATTGGCGGCGGTGGCGGC

Leptin molecule 2

GTGCCATCCAAAAAGTCCAAGATGACACCAAAACCTCATCAAGACAAT
TGTCAACCAGGATCAATGACATTCACACACGCAGTCAGTCTCCTCCAAAC
AGAAAAGTCACCGGTTGGACTTCATTCTGGCTCCACCCCATCCTGACC
TTATCCAAGATGGACCAGACACTGGCAGTCTACCAACAGATCCTCACCAG
TATGCCTTCCAGAAACGTGATCCAATATCCAACGACCTGGAGAACCTCC
GGGATCTTCTTCACGTGCTGGCCTCTCTAAAGAGCTGCCACTTGCCTGG
GCCAGTGGCCTGGAGACCTTGGACAGCCTGGGGGTGTCCTGGAAGCTTC
AGGCTACTCCACAGAGGTGGTGGCCTGAGCAGGCTGCAGGGTCTCTGC
AGGACATGCTGTGGCAGCTGGACCTCAGCCCTGGGTGCTTAGTGCCG

FIGURE 6

Leptin molecule 1

VPIQKVQDDTKTLIKTIVTRINDISHTQSVSSKQKVTLDFIPGLHPILT
LSKMDQTLAVYQQILTSMPSRNVIQISNDLENLRDLLHVLAFSKSCHL
PWASGLETLDSLGGVLEASGYSTEVVALSRLQGSLQDMLWQLDLSPGC

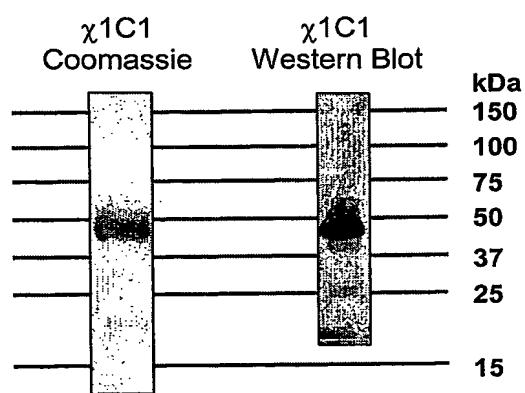
Linker region

LVPRGS PGIGGGGG

Leptin molecule 2

VPIQKVQDDTKTLIKTIVTRINDISHTQSVSSKQKVTLDFIPGLHPILT
LSKMDQTLAVYQQILTSMPSRNVIQISNDLENLRDLLHVLAFSKSCHL
PWASGLETLDSLGGVLEASGYSTEVVALSRLQGSLQDMLWQLDLSPGC

FIGURE 7

**FIGURE 8**

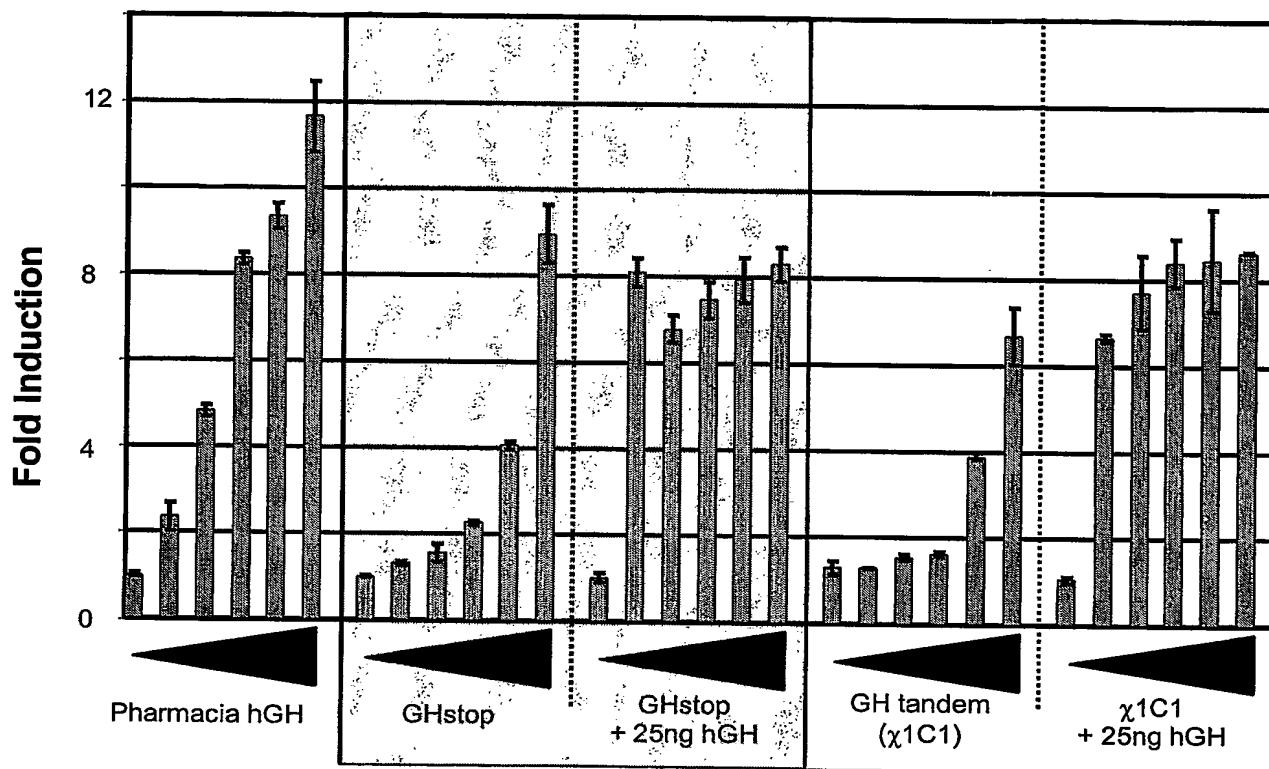


FIGURE 9

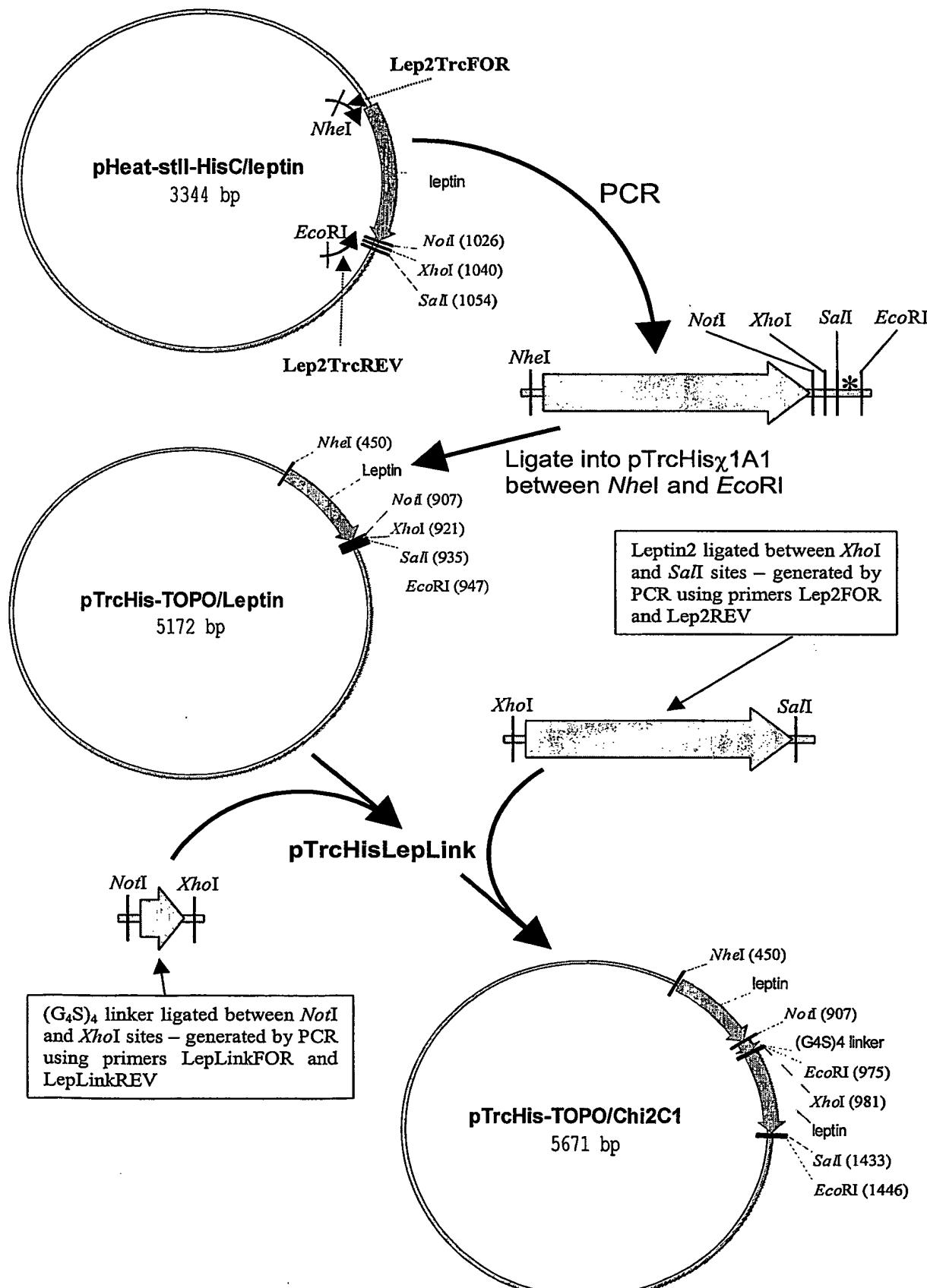


FIGURE 10

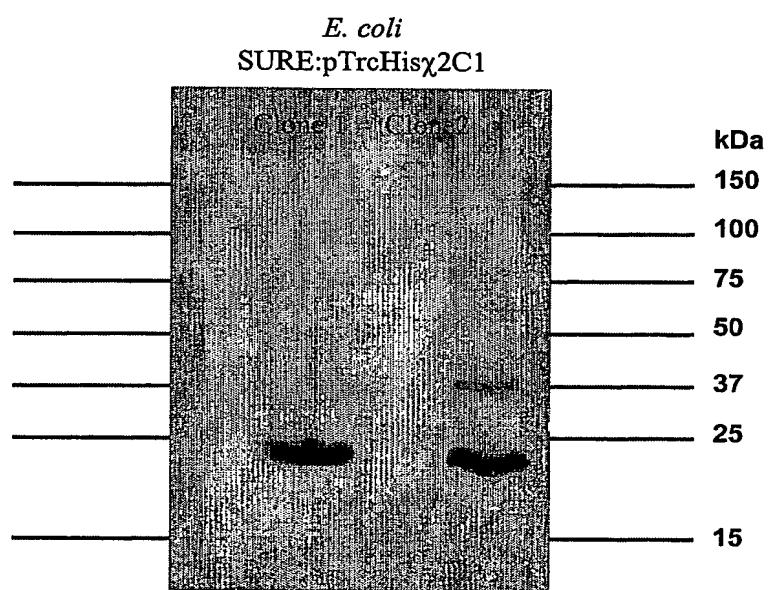


FIGURE 11

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